

WHAT IS CLAIMED IS:

1. A video information display system for
receiving data for video information entered from a
plurality of sources and displaying the video
5 information after synthetically combining and/or
editing the data, comprising:

means for synthetically combining and/or editing
data according to control signals from said sources,

10 first video information display means for
displaying on the side of the plurality of said sources
said video information after synthetically combining
and/or editing the data, and

second video information display means to be
placed at a location different from that of said first
15 video information displaying means for displaying said
video information after synthetically combining and/or
editing data.

2. A video information display system according
20 to claim 1, wherein said means for synthetically
combining and/or editing data comprises an image
processing circuit.

3. A video information display system according
25 to claim 1, wherein the area of the display screen for
displaying images of said second video information
display means is greater than the area of the display

screen for displaying images of said first video
information display means.

4. A video information display system according
5 to claim 1, wherein said second video information
display means comprises a projector.

5. A video information display system according
to claim 1, wherein said sources of information are
10 computers.

6. A video information display system according
to claim 5, wherein said computers are personal
computers.

15 7. A video information display system according
to claim 6, wherein said first video information
display means is displays arranged on said personal
computers.

20 8. A display apparatus for displaying video
information by superimposing a plurality of images
obtained through a plurality of display systems, each
being constituted by a light source, a reflection type
25 liquid crystal panel and an optical system, comprising:
at least either of

system selection means for selecting at least one

of said plurality of display systems, and

modifying means for modifying the attributes of the image obtained through said at least one of display systems.

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9. A display apparatus according to claim 8, wherein said modification means for modifying the attributes of an image is selected from means for changing the color or colors of the image, means for
10 changing the size of the image and means for changing the brightness of the image.

10. A display apparatus according to claim 8, wherein it further comprises at least an interface with
15 an information terminal and an image processing circuit section.

11. A display apparatus according to claim 8, wherein one of the plurality of display systems
20 displays images in black and white while the remaining display systems display images in color.

12. A display apparatus according to claim 11, wherein color filters are arranged on the light paths
25 of the color display systems and can be operated either in set or non-set mode.

13. A display apparatus according to claim 11,
wherein the area of the display screen for black and
white images or the area for color images of the
display screen may be selectively illuminated by rays
5 of light from the light source by means of a liquid
crystal panel.

14. A display apparatus according to claim 12 or
13, wherein it generates black and white image signals
10 including a black signal for reserving an area on the
display screen for color images color image signals
including a black signal for reserving an area on the
display screen for black and white images.

15. A display apparatus according to claim 8,
wherein the optical system of the apparatus includes a
schlieren optical system.

16. A display apparatus according to claim 15,
20 wherein said optical system comprises a mirror and a
pinhole arranged on the focal point of the lens
disposed on the liquid crystal panel of the apparatus.

17. A display apparatus according to claim 8,
25 wherein said liquid crystal panel is of polymer type.

18. A display apparatus according to claim 8,

wherein the liquid crystal panel is provided with an anti-reflection film on the surface of the transparent substrate for receiving incoming flux of light from the light source and on the rear side of the liquid crystal panel.

19. A display apparatus according to claim 8, wherein the optical axis of the optical system is inclined relative to the surface of the display screen for displaying projected images and if, when measured along the optical axis of the aggregate optical system, the largest distance between the display screen and the exit pupil is b_2 and the smallest distance between the display screen and the exit pupil is b_1 while the largest distance between the liquid crystal panel and the entrance pupil of the optical system is a_1 and the smallest distance between the liquid crystal panel and the entrance pupil of the optical system is a_2 , the inclination of the liquid crystal panel is so adjusted to minimize the difference between b_1/a_1 and b_2/a_2 .

20. A display apparatus according to one of claims 8 through 19, wherein a screening film is arranged on the transparent substrate of the liquid crystal panel not to impede light reflected by the electrodes of the liquid crystal panel.

21. A display apparatus according to one of claims
8 through 20, wherein the pixel section of the liquid
crystal panel comprises polycrystalline Si thin film
transistors and the peripheral circuits comprises bulk
5 Si transistors.

22. A display apparatus according to claim 10,
wherein it further comprises means for transmitting
video information to said information terminal.
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23. A display apparatus according to claim 10,
wherein in the image processing circuit section
comprises at least a memory.

15 24. A display apparatus according to claim 10,
wherein the image processing circuit section comprises
means for compressing, expanding, encoding and decoding
data.

20 25. A display apparatus according to claim 10,
video signals for an odd row of pixels and for an
adjacent even row of pixels are transmitted
simultaneously to the liquid crystal panel.

25 26. A display apparatus according to one of claims
8 through 24, wherein a set of video signals are
written into the liquid crystal panel with a same

timing.

27. A display apparatus according to claim 25 or
26, wherein a drive line is arranged between each pair
5 of an odd row and an even row and spinal lines for odd
rows and those for even rows are alternately arranged.

28. A display apparatus according to one of
claims 8 through 27, wherein wireless interfaces are
10 provided.

29. A liquid crystal panel comprising a substrate
provided with reflection electrodes and switching
devices, an opposite substrate provided with opposite
15 electrodes arranged vis-a-vis the respective reflection
electrodes and a liquid crystal member disposed between
the substrate and the opposite substrate, characterized
in that said reflection electrodes are inclined
relative to said opposite electrodes.

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30. An active matrix liquid crystal panel
comprising a device substrate provided with switching
devices and pixel electrodes arranged on the respective
spots defined by data signal wirings and scan signal
25 wirings and an opposite substrate provided with
opposite electrodes arranged on the respective spots
located directly opposite to the corresponding pixel

electrodes, characterized in that

said scan signal wirings are grouped into alternately arranged first and second scan signal wirings,

5 first pixel electrodes to be selected by the first scan signal wirings and second pixel electrodes to be selected by the second scan signal wirings being spatially displaced from each other, and

said data signal wirings are grouped into alternately arranged first and second data signal wirings,

said first pixel electrodes being connected to said first data wirings by way of said switching devices, said second pixel electrodes being connected to said second data wirings by way of said switching devices.

31. An active matrix liquid crystal panel according to claim 30, wherein said switching devices operate as three terminal type transistors and said opposite electrodes are a common electrode.

32. An active matrix liquid crystal panel according to claim 30, wherein said switching devices operate as two terminal type transistors and said opposite electrodes operate for said scan signal wirings.

33. An active matrix liquid crystal panel according to one of claims 30 through 32, wherein said first data signal wirings and said second signal wirings are formed in a same layer.

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34. An active matrix liquid crystal panel according to one of claims 30 through 32, wherein said first data signal wirings and said second signal wirings are formed in different layers.

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35. An active matrix liquid crystal panel according to claim 30, wherein said pixel electrodes are formed on the surface of an insulation layer and said switching devices are formed on the rear surface of said insulation layer.

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36. An active matrix liquid crystal panel according to claim 30, wherein it further comprises a video signal input terminal for transmitting video signals to said data signal wirings or at least one of the groups of said data signal wirings are provided with a video signal delay circuit.

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37. An active matrix liquid crystal panel according to claim 30, wherein reflection electrodes are arranged on either of said device substrate or said opposite substrate.

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38. An active matrix liquid crystal panel
according to claim 30, wherein the peripheral circuits
for applying a voltage to switching devices arranged on
said device substrate are made of monocrystalline Si
5 and said switching devices are made of polycrystalline
Si.

39. An active matrix liquid crystal panel
according to claim 30, wherein a thin film resistive
10 against tension is provided to support said switching
devices.